

Fig. 2A

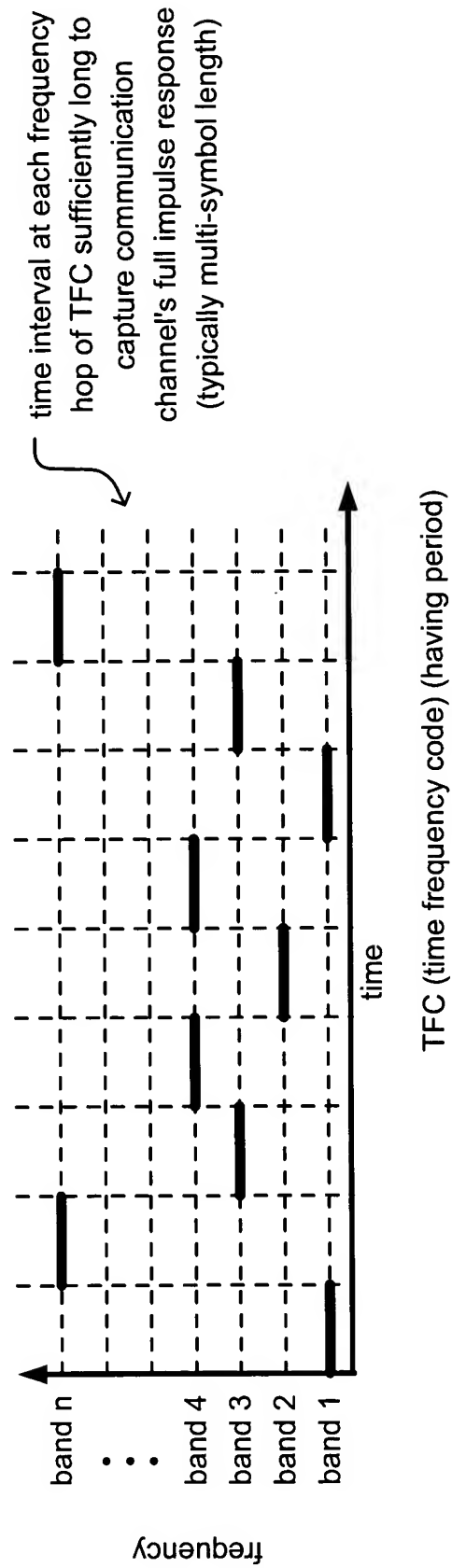
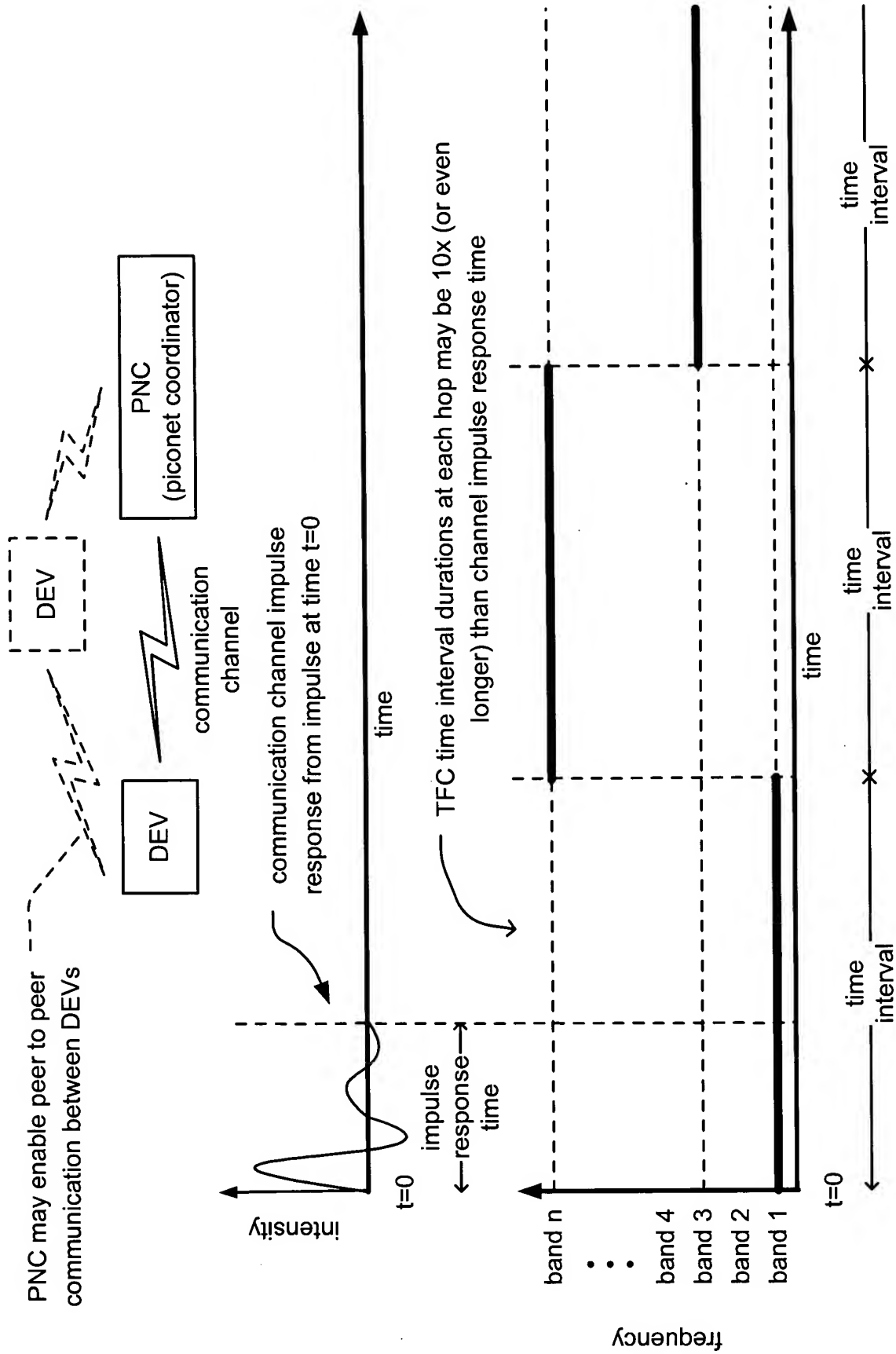
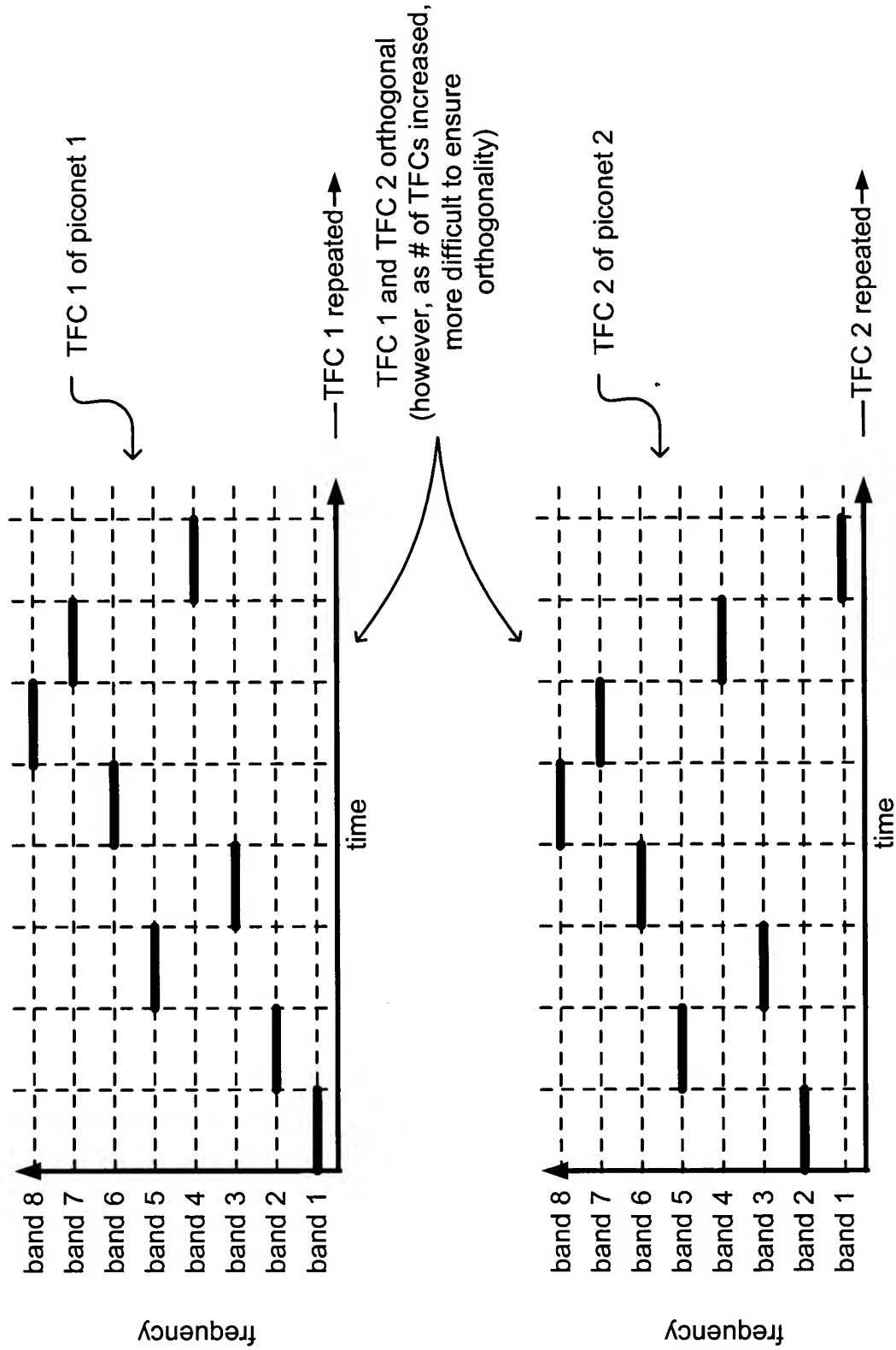


Fig. 2B



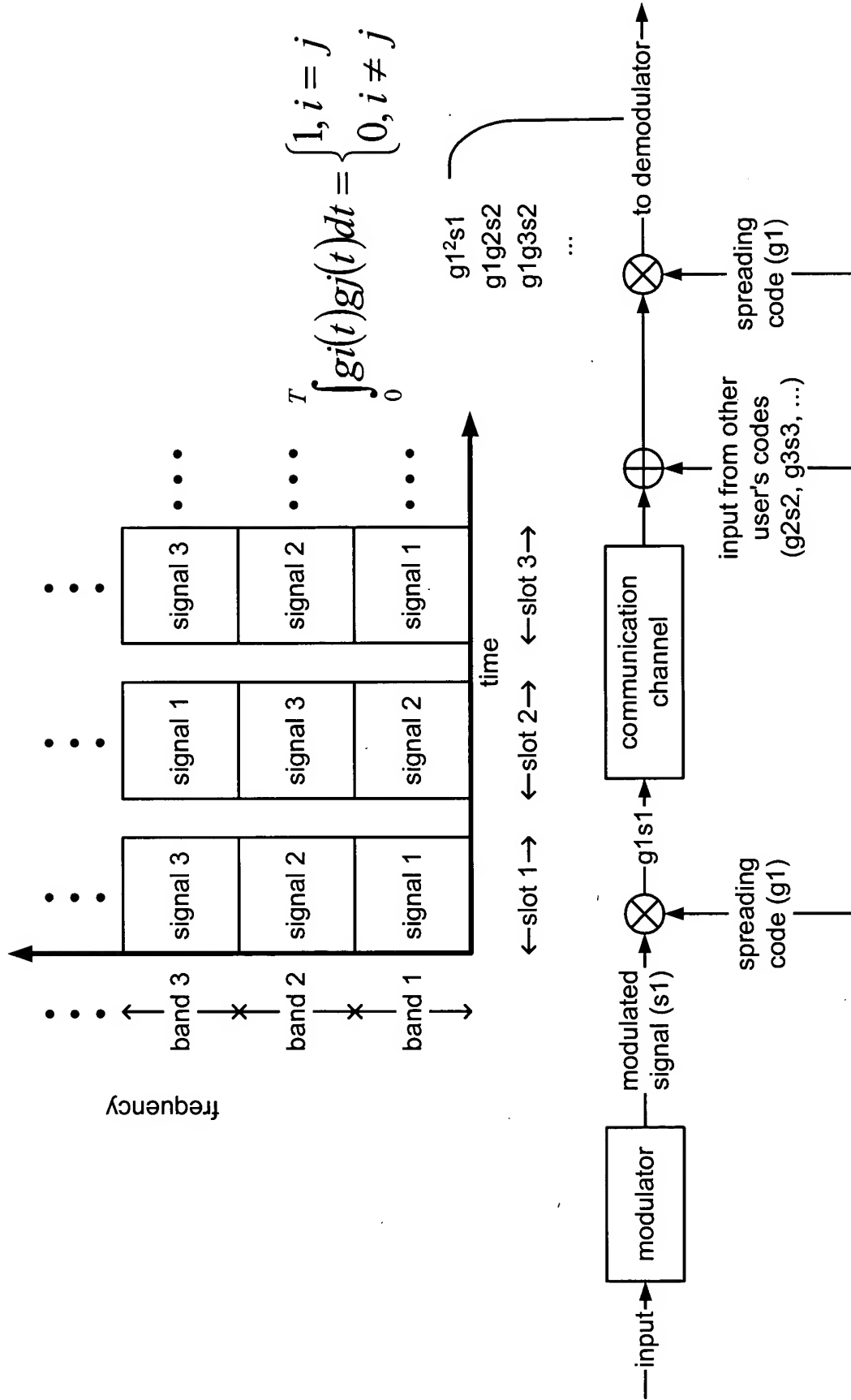
TFC (time frequency code) frequency hop time intervals compared to communication channel impulse response

Fig. 3



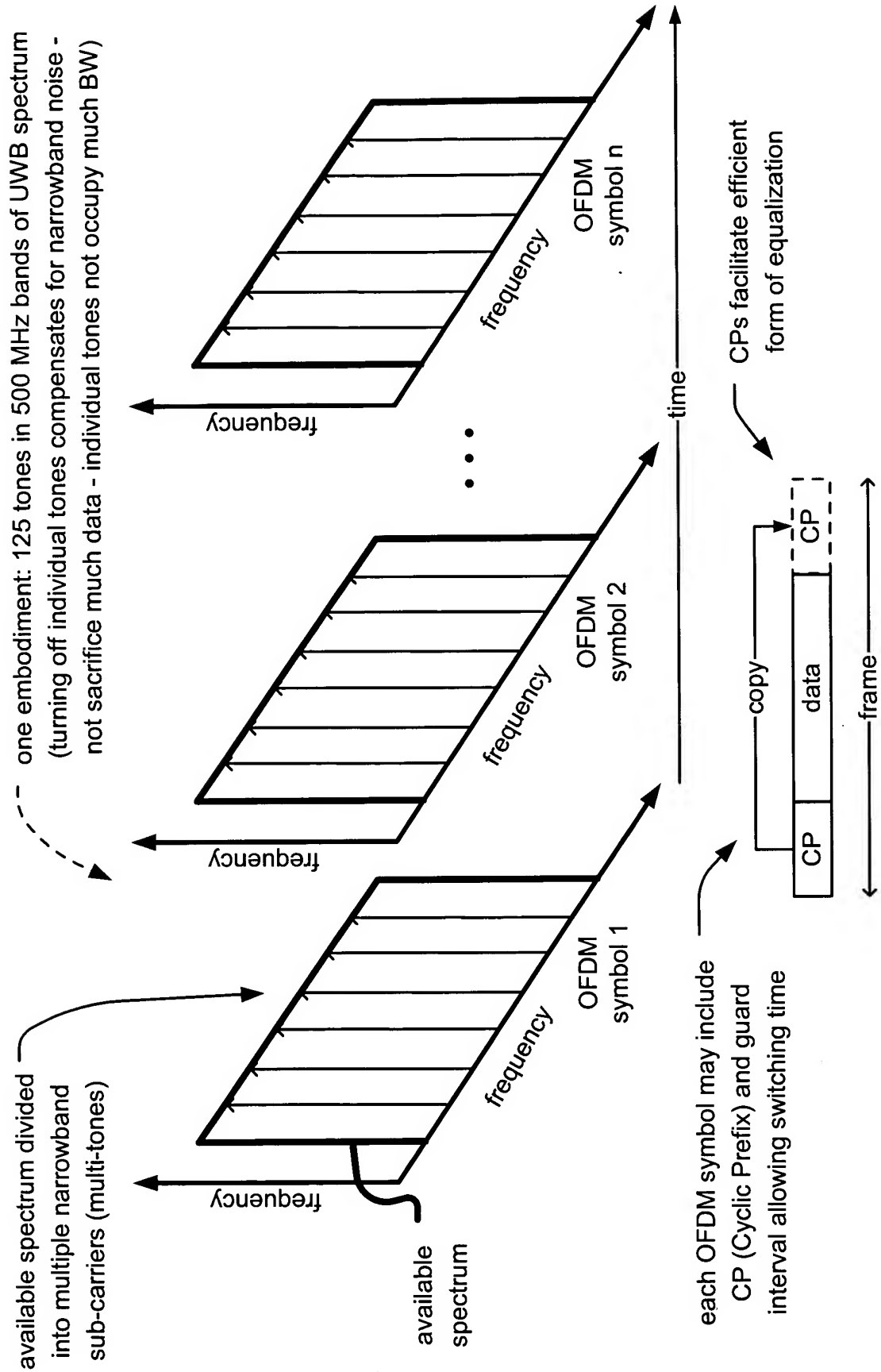
TFC (time frequency code)

Fig. 4



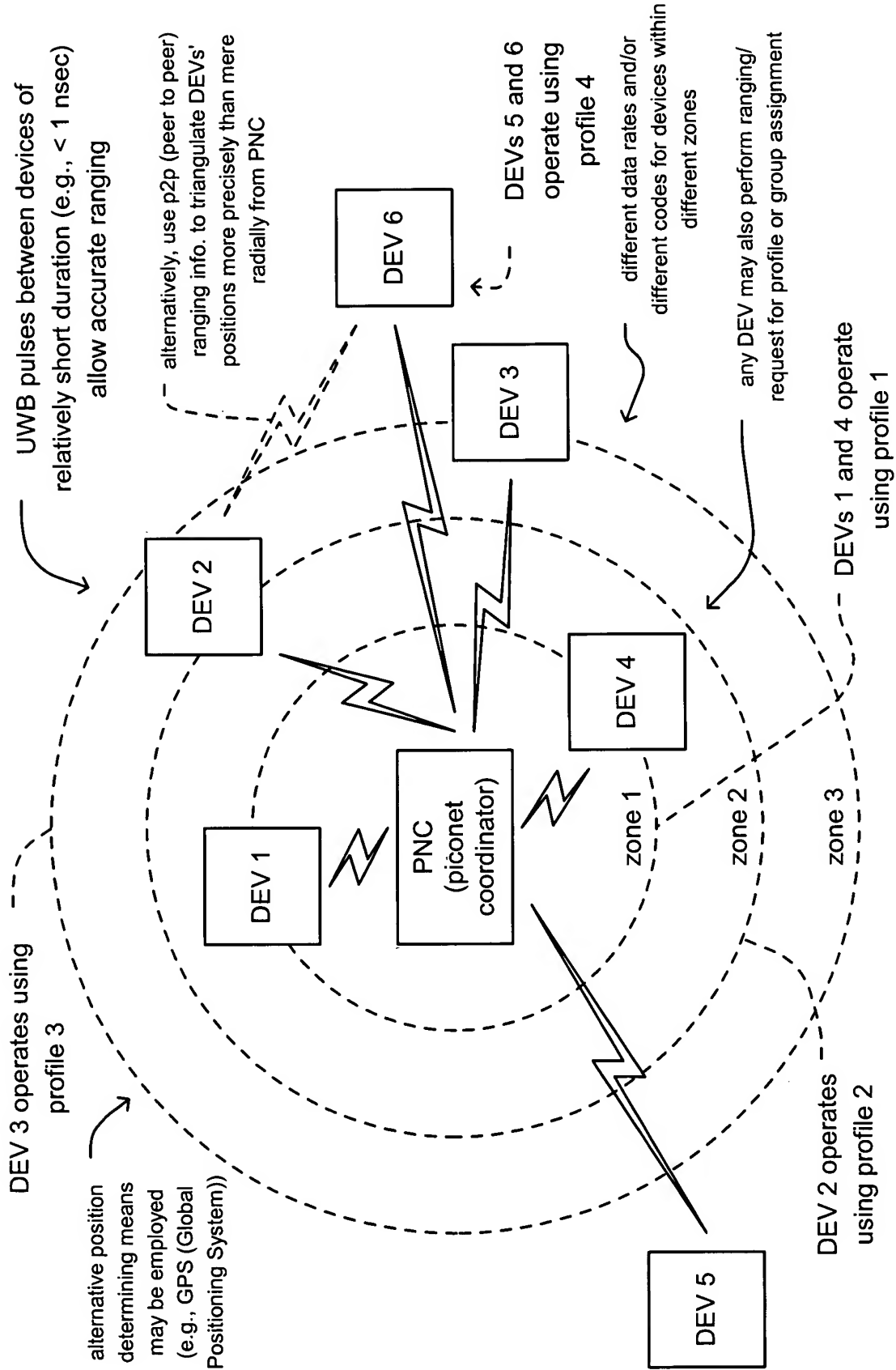
CDMA (Code Division Multiple Access)

Fig. 5



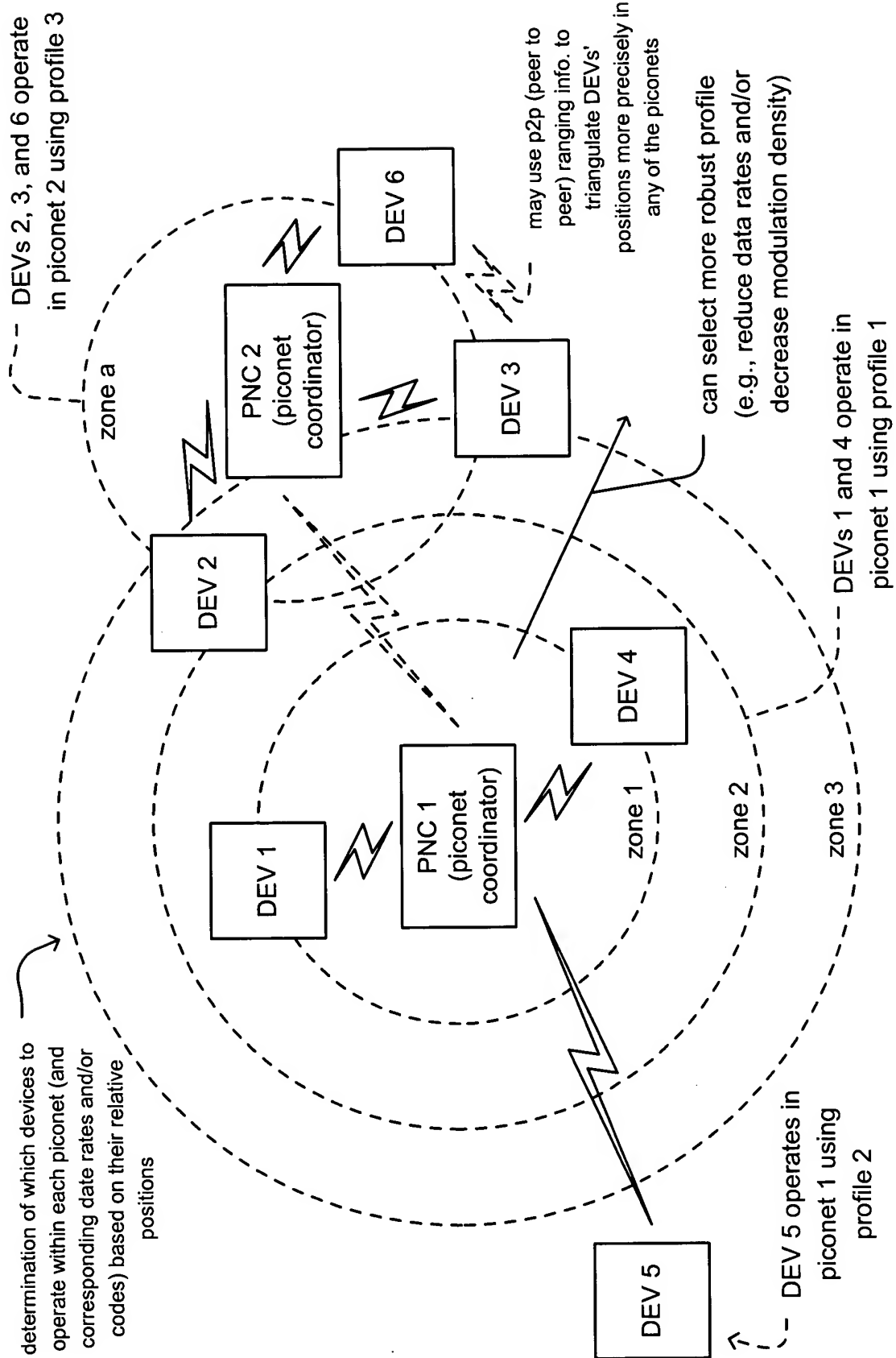
OFDM (Orthogonal Frequency Division Multiplexing) modulation

Fig. 6



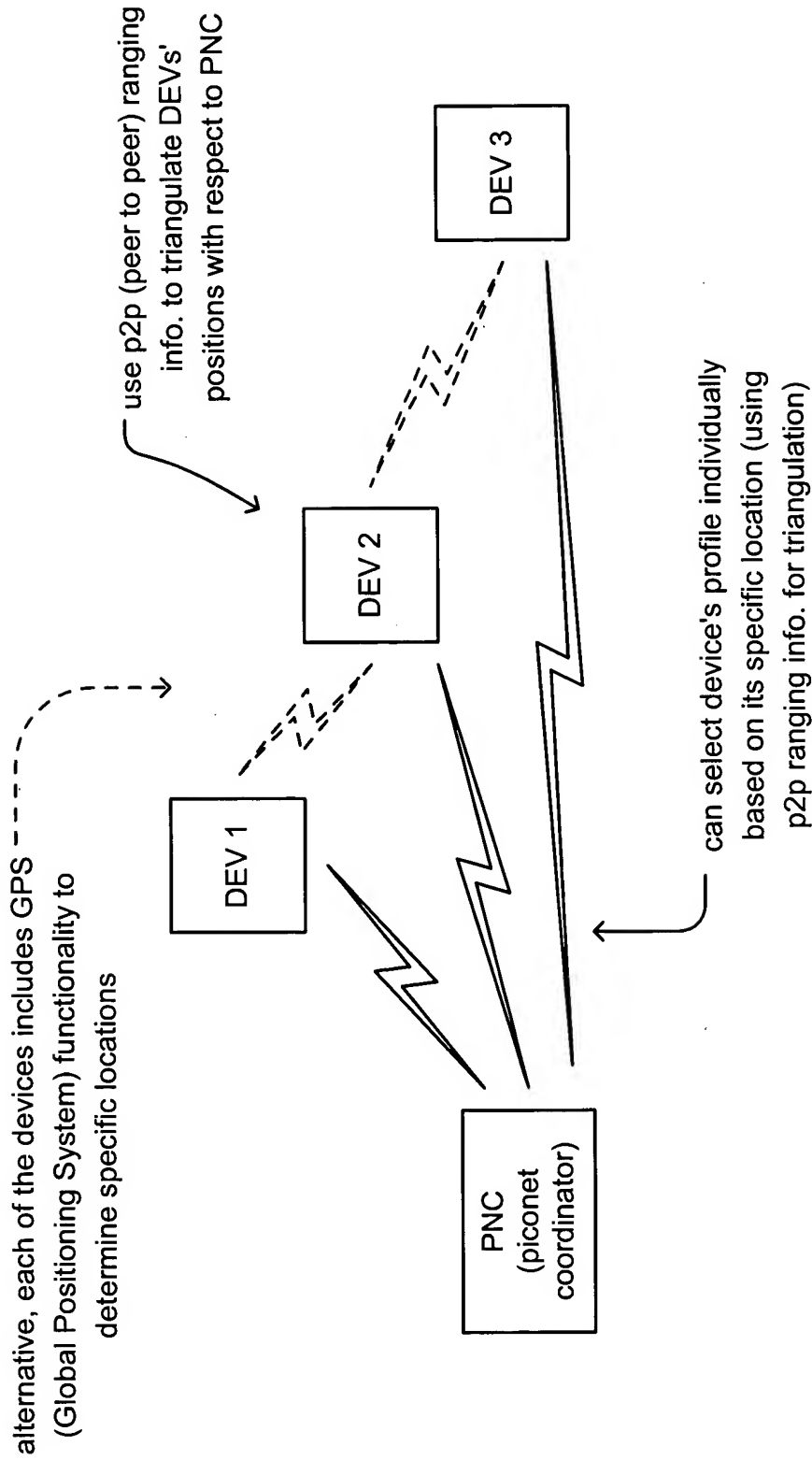
position based intra-piconet management (shown in a radial embodiment)

Fig. 7



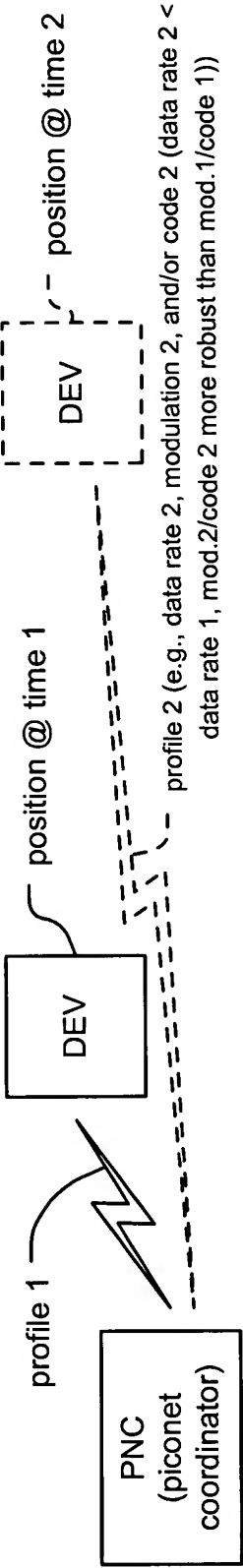
position based inter-piconet management (shown in a radial embodiment)

Fig. 8



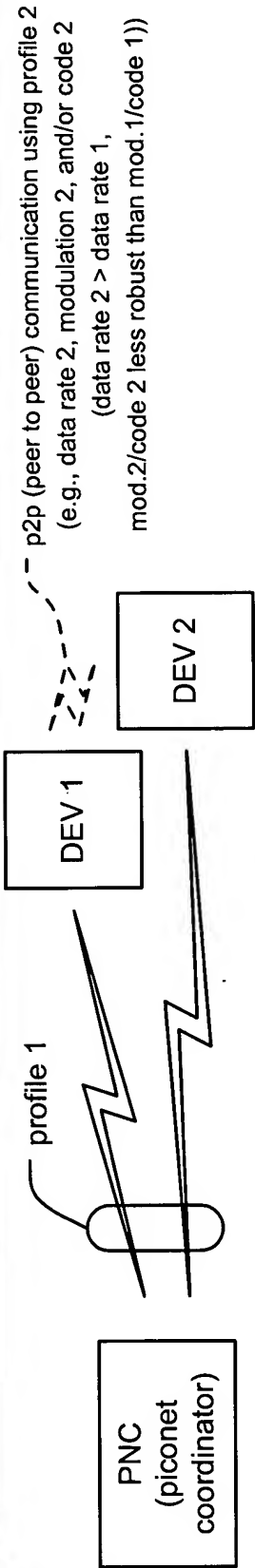
position based intra-piconet management (shown using triangulation)

Fig. 9



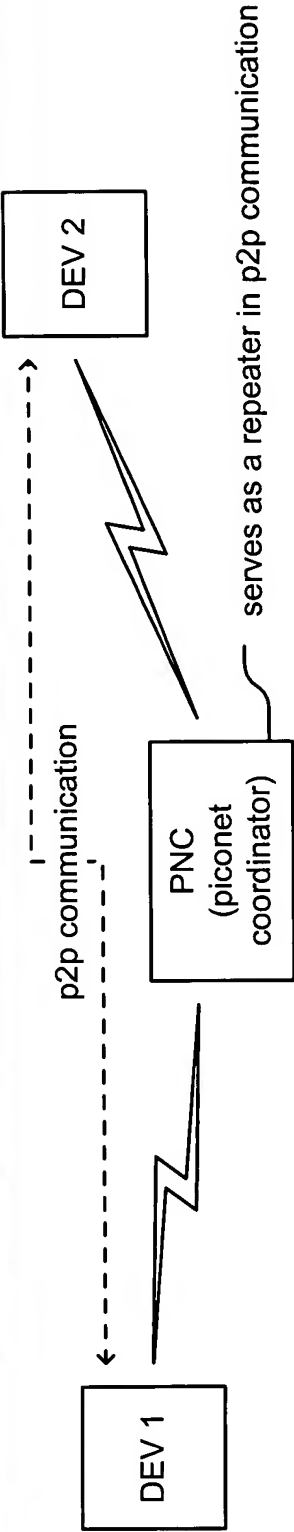
profile modification based on change in relative positions

Fig. 10A



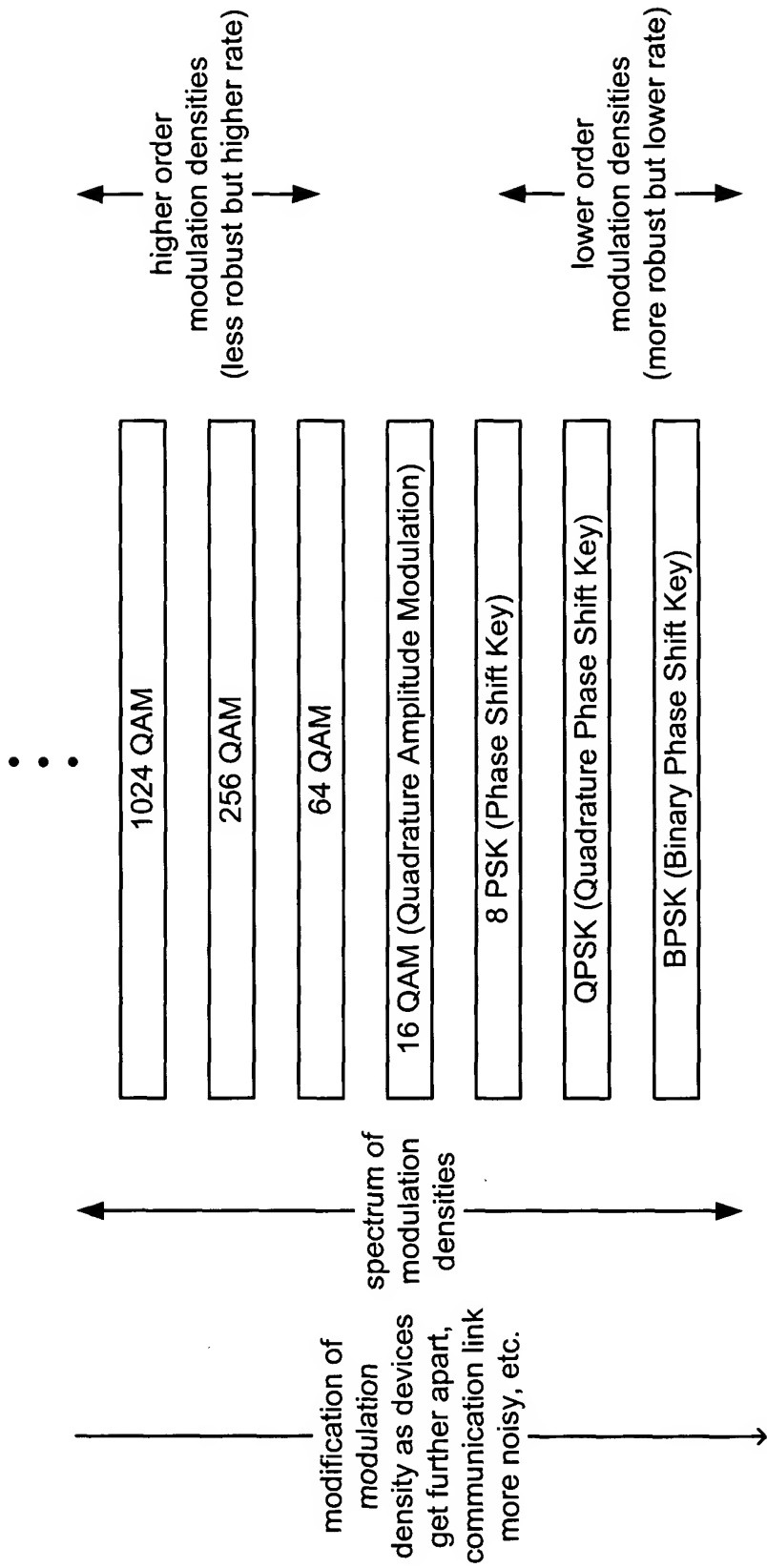
PNC sets up p2p (peer to peer) communication based on relative positions of DEVs

Fig. 10B



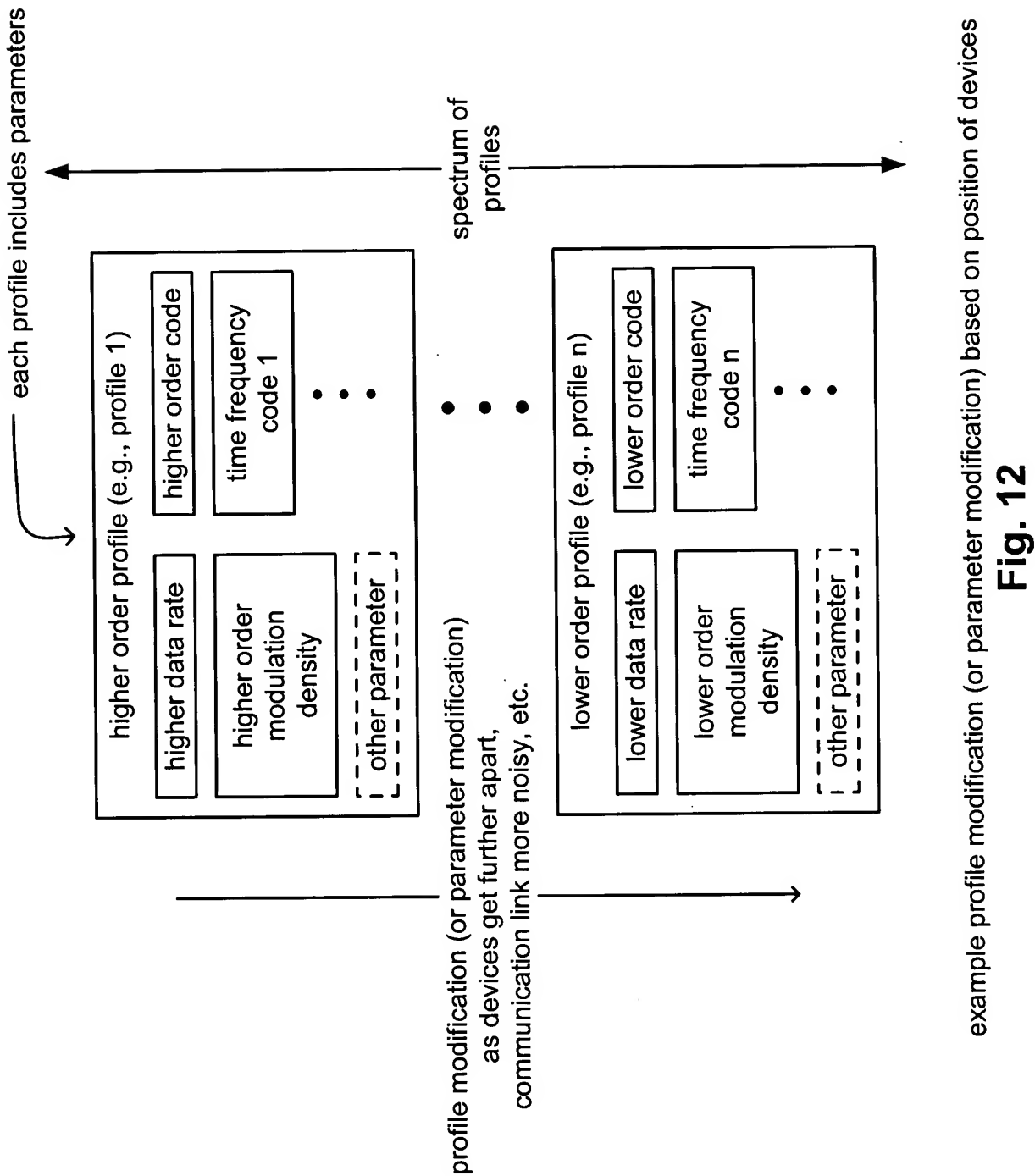
position based intra-piconet management

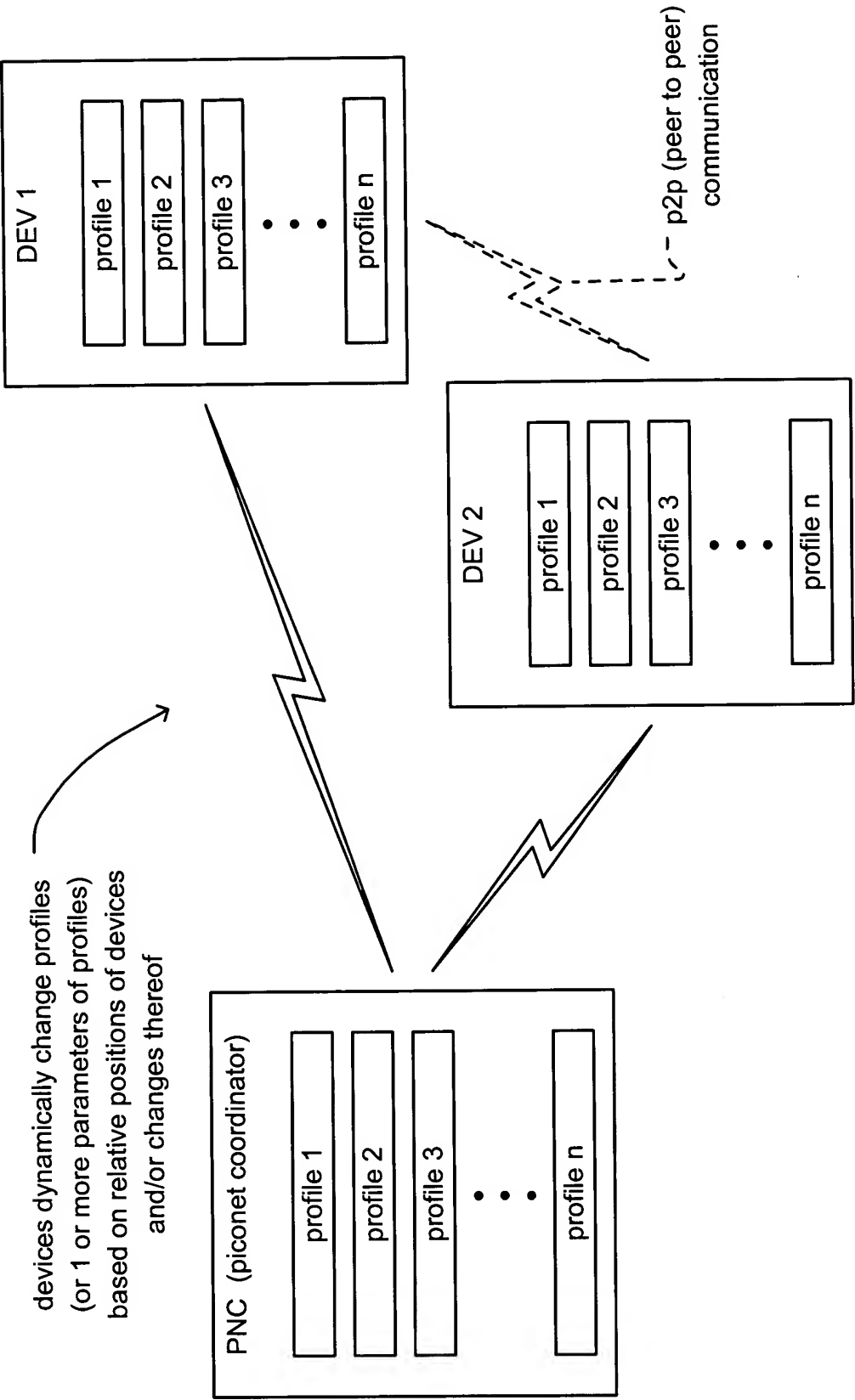
Fig. 10C



example modulation density modification based on position of devices

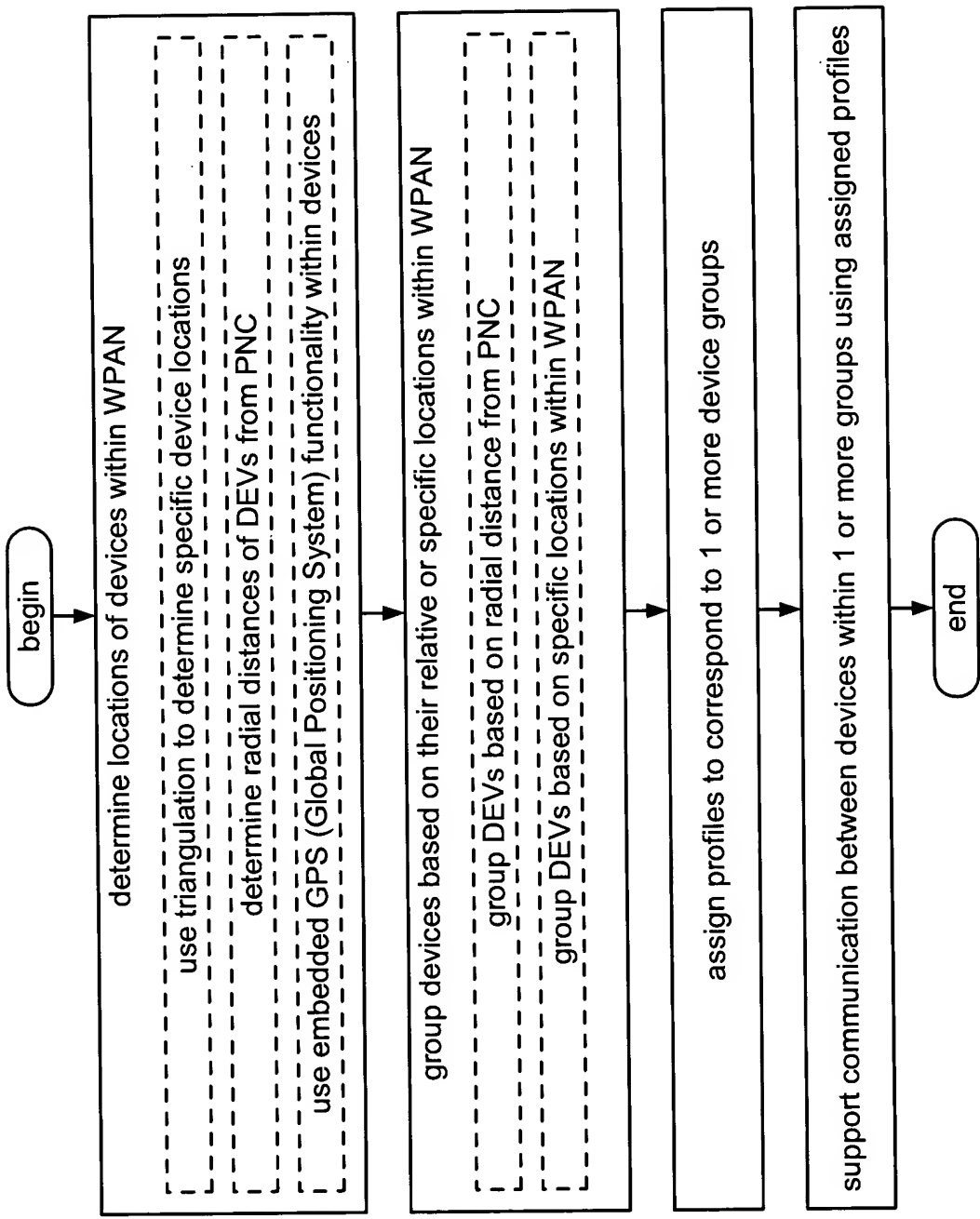
Fig. 11





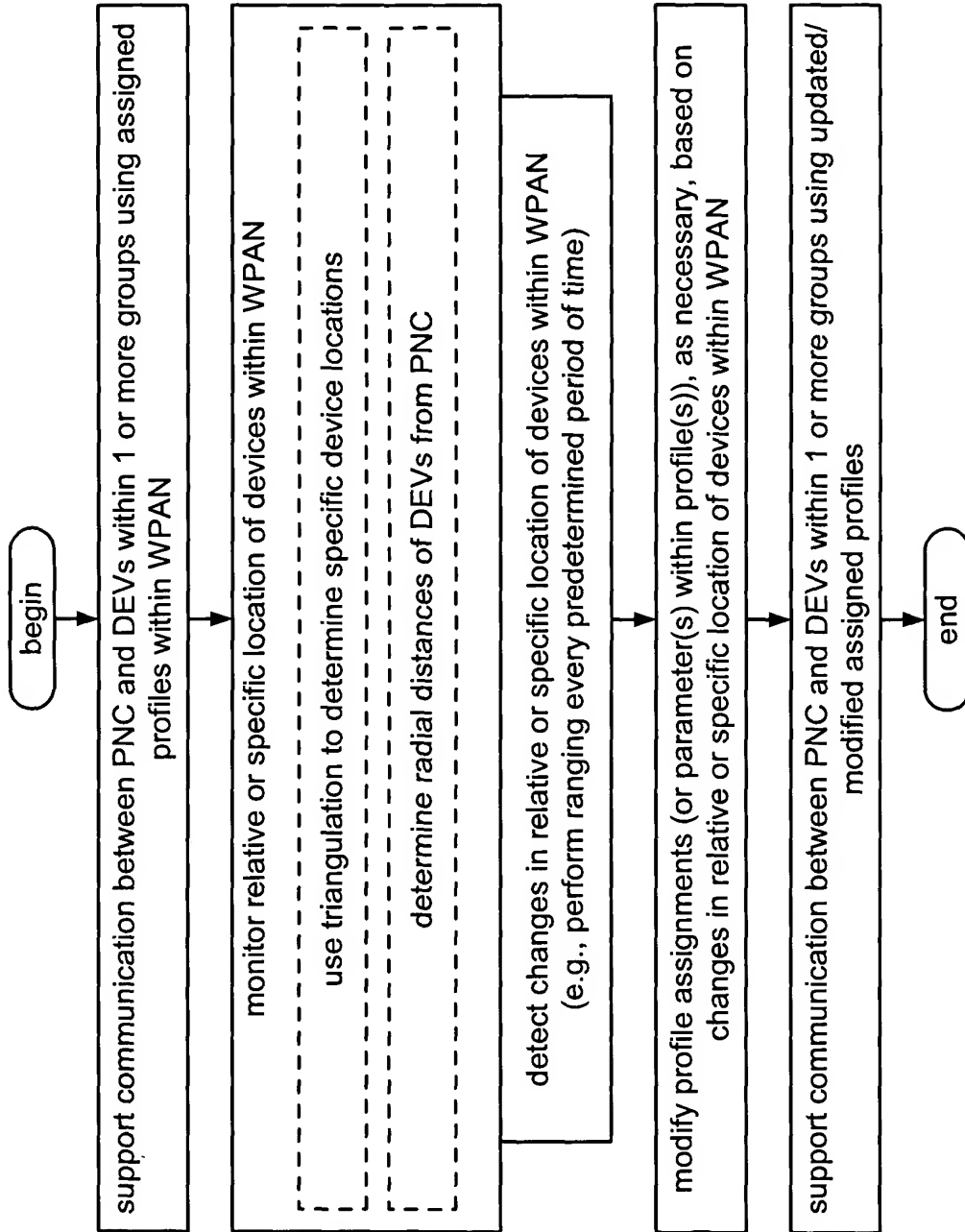
predetermined, finite set of profiles (and corresponding parameters) stored within devices

Fig. 13



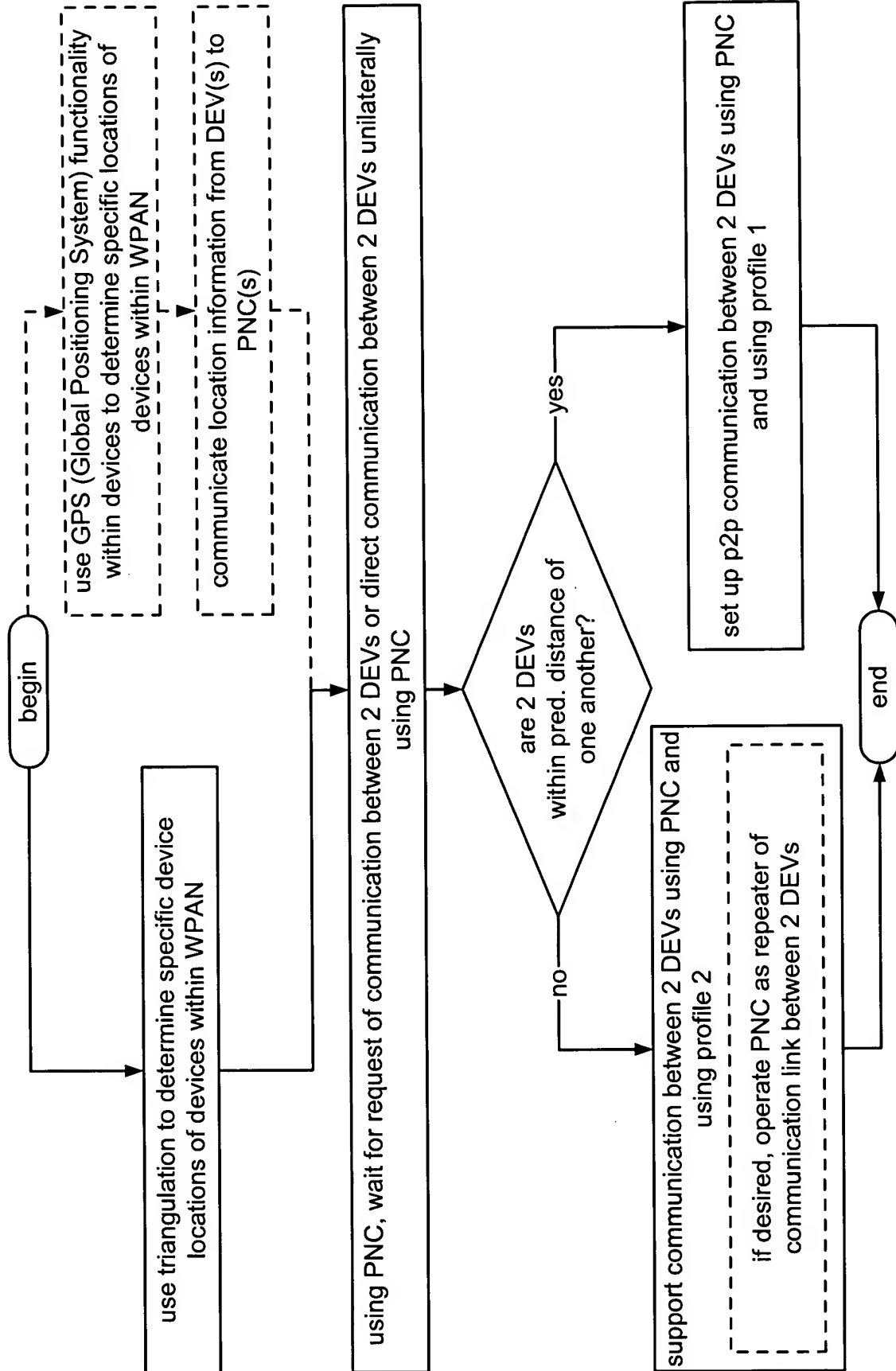
WPAN (Wireless Personal Area Network) management method

Fig. 14



WPAN (Wireless Personal Area Network) management method

Fig. 15



WPAN (Wireless Personal Area Network) management method

Fig. 16